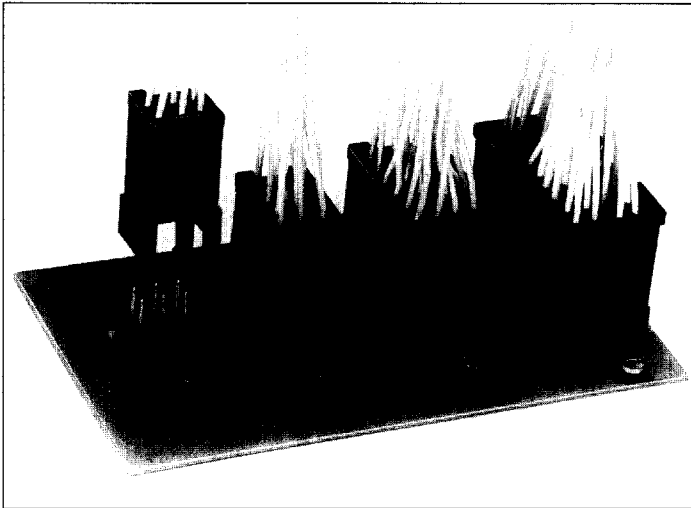


TRIM TRIO Connectors



Qikmate Connectors



Qikmate, in a word is versatility. More than just a connector, it is a highly cost-effective system approach to solving interconnect problems. That system includes a whole family of connector bodies all designed to accommodate the TRIM TRIO contacts. TRIM TRIO power and signal contacts are available in stamped and formed, machined and subminiature coax for maximum flexibility, dependability, and ease of assembly. Any combination of the contacts can be used interchangeably in any position in either half of the connector. Note: The same contacts are also used in other connector bodies making up the Trim Trio Interconnection System, including miniature round and hyfen rectangular connectors.

QIKMATE housing and TRIM TRIO contacts provide the additional advantage of standardization resulting in simplified paperwork, reduced inventory, faster assembly and uniform quality control. In addition, there is also the advantage of universal installation tooling and simplified operator training.

Designed to meet or exceed international safety and performance specifications, QIKMATE is the choice of many multinational corporations who recognize the superiority of the QIKMATE, TRIM-TRIO combination.

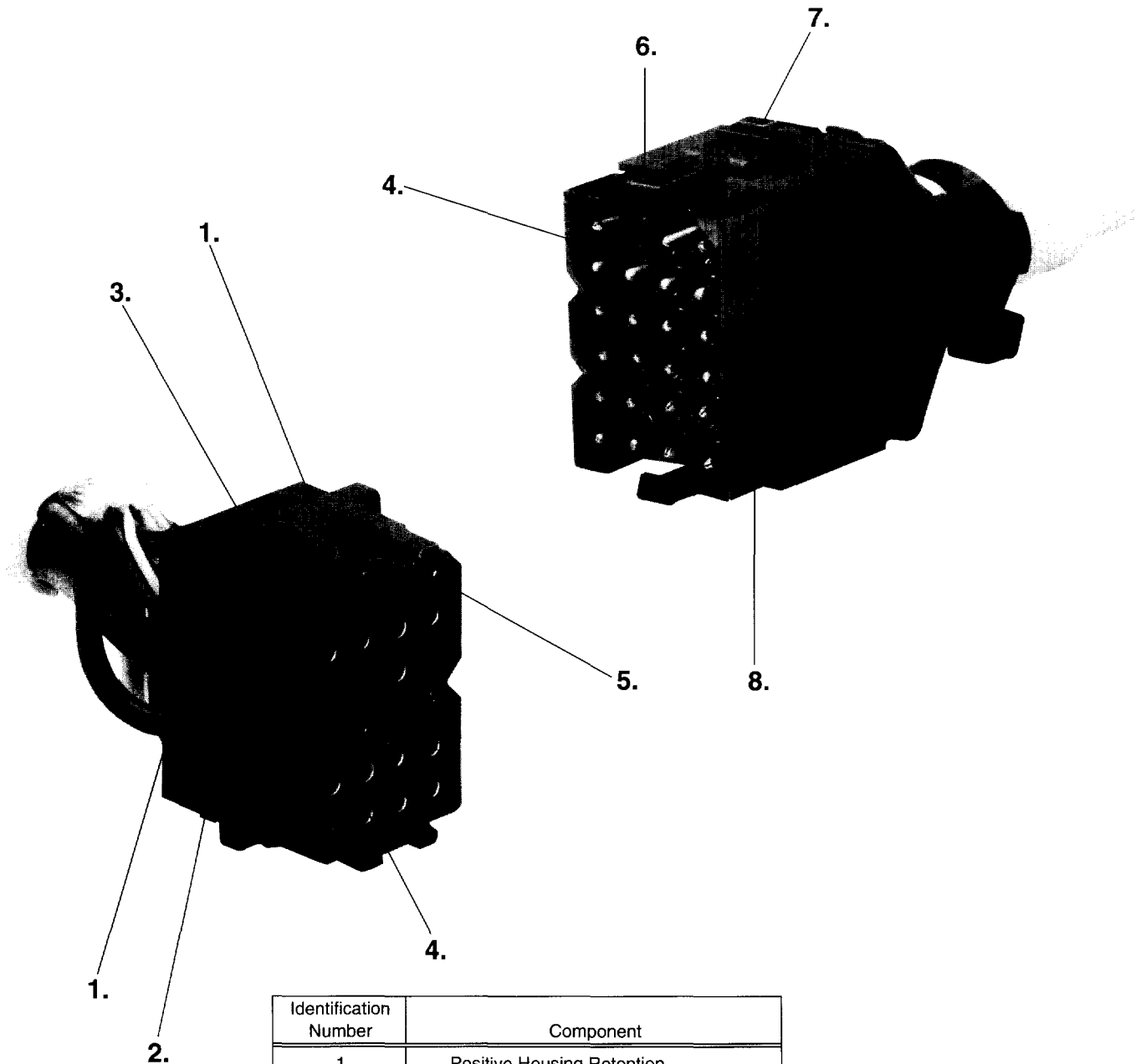
This connector will accommodate wire insulation up to .165 max diameter. Contact designations shown appear on both mating face and wire face of connector. Note: UL recognized, file number E 31151 and CSA certified, file number LR 44961 for plugs and panelmount receptacles and LR 54977 for boardmount receptacles.

Performance Characteristics

Operating Temperature:	-55° C to +105° C		
Insulating Resistance:	5,000 megohms at 500 VDC		
Test Potential:	2,000 VAC (1 minute duration) at sea level		
Contact Retention:	10 pounds (44.48N) in connector (min)		
Connector	2 position	1.0 pound	(4.45N)
Mating Forces:	3 position	1.5 pounds	(6.67N)
	4 position	2.0 pounds	(8.90N)
	6 position	3.0 pounds	(13.34N)
	9 position	4.5 pounds	(20.02N)
	12 position	6.0 pounds	(26.69N)
	15 position	7.5 pounds	(33.36N)
	18 position	9.0 pounds	(40.03N)
	24 position	12.0 pounds	(53.38N)
	36 position	18.0 pounds	(80.06N)
Humidity:	Meets insulation resistance and test voltage requirements (240 hrs. at 40° C, 90-95% RH)		
Vibration:	Per MIL-STD-202, method 204; no cracking of dielectric or loosening of contacts; no discontinuity of current greater than 10 microseconds		
Shock:	Per MIL-STD-202B, method 213, condition A; no cracking of dielectric or loosening of contacts; no discontinuity of current greater than 10 microseconds		
Durability:	Shall withstand 500 matings and unmatings		
Working Voltage:	750 V		
Material:	Nylon; per MIL-M-20693A		
Flammability Rating:	UL 94 V-2		
Color:	Black (std)		

TRIM TRIO Connectors

Qikmate Components Identification

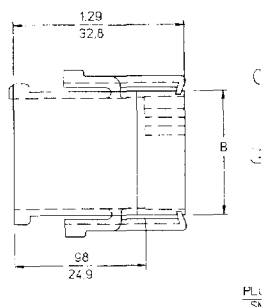
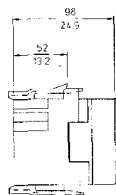
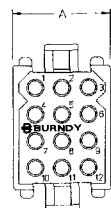
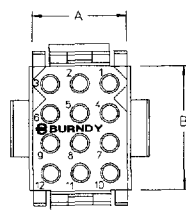
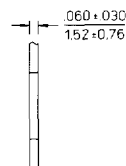
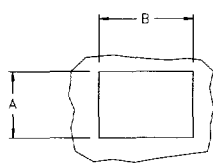


Identification Number	Component
1	Positive Housing Retention
2	Forward Stop
3	Panel Stabilizing Boss
4	Positive Connector Polarization
5	Retaining Boss
6	Retaining Latch for Positive Locking
7	No. 1 Contact Identification
8	Positive Pin Protection Skirt

TRIM TRIO Connectors

Qikmate Self-Mounting Connector

Available in 2, 3, 4, 6, 9, 12, 15, 18, 24, and 36 contact positions. Receptacles snap-lock into rectangular panel cutouts and plugs quick connect and quick disconnect with positive retention locks. Plugs also feature pin-protection skirts and positive polarization.



RECEPTACLES							
Number of Contacts	Catalog Number	Dimensions					
		A		B		C Max	
		in	mm	in	mm	in	mm
2	SMS2R-1	0.43	(10,9)	0.23	(5,8)	0.60	(15,2)
3	SMS3R-1	0.63	(16,0)	0.23	(5,8)	0.60	(15,2)
4	SMS4R-1	0.83	(21,1)	0.23	(5,8)	0.60	(15,2)
6	SMS6R-1	0.63	(16,0)	0.43	(10,9)	0.80	(20,3)
9	SMS9R-1	0.63	(16,0)	0.63	(16,0)	1.00	(25,4)
12	SMS12R-1	0.63	(16,0)	0.83	(21,1)	1.20	(30,5)
15	SMS15R-1	0.63	(16,0)	1.03	(26,2)	1.40	(35,6)
18	SMS18R-1	0.63	(16,0)	1.23	(31,2)	1.60	(40,6)
24	SMS24R-1	0.83	(21,1)	1.23	(31,2)	1.60	(40,6)
36	SMS36R-1	1.83	(46,5)	0.83	(21,1)	1.20	(30,5)

PLUGS							
Number of Contacts	Catalog Number	Dimensions					
		A		B		C Max	
		in	mm	in	mm	in	mm
2	SMS2P-1	0.59	(15,0)	0.33	(8,4)	0.70	(17,8)
3	SMS3P-1	0.73	(18,5)	0.33	(8,4)	0.70	(17,8)
4	SMS4P-1	0.93	(23,6)	0.33	(8,4)	0.70	(17,8)
6	SMS6P-1	0.73	(18,5)	0.53	(13,5)	0.90	(22,9)
9	SMS9P-1	0.73	(18,5)	0.73	(18,5)	1.10	(27,9)
12	SMS12P-1	0.73	(18,5)	0.93	(23,6)	1.30	(33,0)
15	SMS15P-1	0.73	(18,5)	1.13	(28,7)	1.50	(38,1)
18	SMS18P-1	0.73	(18,5)	1.33	(33,8)	1.70	(43,2)
24	SMS24P-1	0.93	(23,6)	1.33	(33,8)	1.70	(43,2)
36	SMS36P-1	1.93	(49,0)	0.93	(23,6)	1.30	(33,0)

PANEL CUT-OUT DIMENSIONS				
Receptacle Catalog Number	Dimensions			
	A		B	
	in	mm	in	mm
SMS2R-1	0.455	(11,56)	0.450	(11,43)
SMS3R-1	0.455	(11,56)	0.650	(16,51)
SMS4R-1	0.455	(11,56)	0.850	(21,59)
SMS6R-1	0.655	(16,64)	0.650	(16,51)
SMS9R-1	0.655	(16,64)	0.850	(21,59)
SMS12R-1	0.655	(16,64)	1.050	(26,67)
SMS15R-1	0.655	(16,64)	1.250	(31,75)
SMS18R-1	0.655	(16,64)	1.450	(36,83)
SMS24R-1	0.855	(21,72)	1.450	(36,83)
SMS36R-1	1.050	(26,67)	1.855	(47,12)

How to order

Qikmate Rectangular Connector

SMS

R/P-1

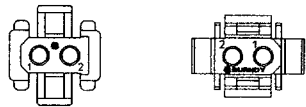
Contact Positions

R — Receptacle
P — Plug

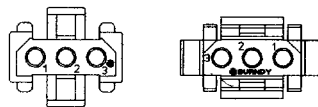
TRIM TRIO Connectors

Contact Identification

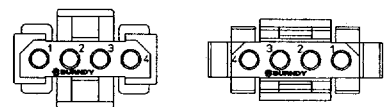
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Plug Receptacle



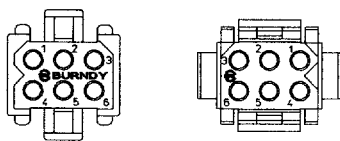
3 Position
Plug Receptacle



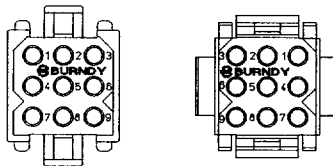
4 Position
Plug Receptacle



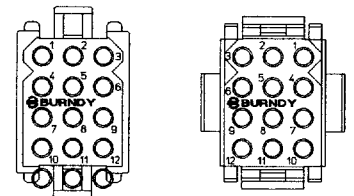
6 Position
Plug Receptacle



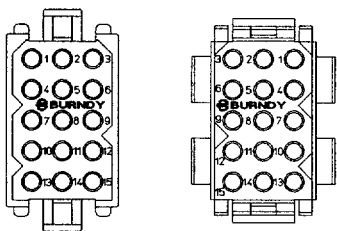
9 Position
Plug Receptacle



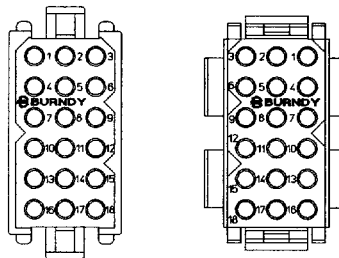
12 Position
Plug Receptacle



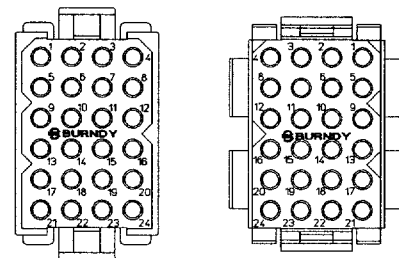
15 Position
Plug Receptacle



18 Position
Plug Receptacle



24 Position
Plug Receptacle



36 Position
Plug Receptacle

